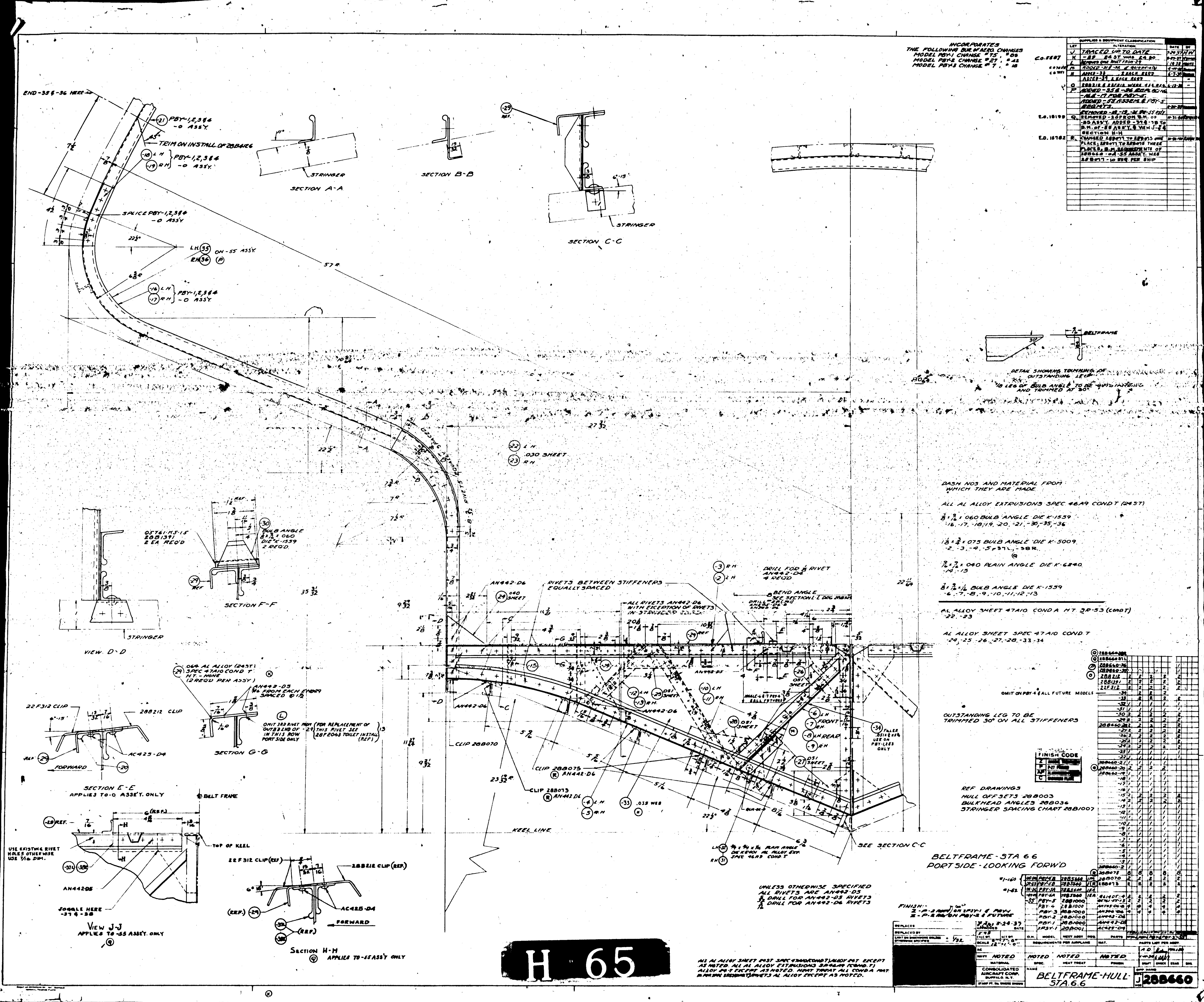

INCORPORATES
THE FOLLOWING BUR. OF AERO. CHANGES
MODEL PBY-1 CHANGE #75, #85
MODEL PBY-2 CHANGE #27, #42
MODEL PBY-3 CHANGE #7, #18
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
J | TRACED UP TO DATE | 5-24-37 | H.W.
K | -29 24 ST WAS 24 SO
L | REMOVED ONE RIVET FROM -29
M | ADDED -31 & -32 & 96140E-4
N | ADDED -33 2 EACH REQ'D | 6-7-38
ADDED -34 2 EACH REQ'D
O | 28B212 & 22F312 WERE 4 EA REQ.
P | ADDED -35 & -36 REPLACING -16 & -17 FOR PBY-5. ADDED -55 ASSEM & PBY-5 REQMTS.
REMOVED -18, -19, -21 FM -55 ASSY.
E.O. 18199 | Q | REMOVED -20 FROM B.M. OF -55 ASS'Y. ADDED -37 & -38 TO B.M. OF -55 ASS'Y. & VIEW J-J & SECTION H-H
E.O. 15782 | R | CHANGED 28B077 TO 28B073 ONE PLACE; 28B077 TO 28B075 THREE PLACES, B.M. REQUIREMENTS OF 28B660 -0 & -55 ASS'Y. WAS 28B077 - 10 REQ. PER SHIP
C.O. 5587
END -35 & -36 HERE
PBY-1,2,3 & 4 -0 ASSY
TRIM ON INSTALL. OF 28B426
SPLICE PBY-1,2,3 & 4 -0 ASSY.
ON -55 ASSY.
SECTION A-A
SECTION B-B
SECTION C-C
STRINGER
DETAIL SHOWING TRIMMING OF OUTSTANDING LEG
BELTFRAME
.030 SHEET
DASH NOS AND MATERIAL FROM WHICH THEY ARE MADE
ALL AL ALLOY EXTRUSIONS SPEC 46A9 COND T (24ST)
.060 BULB ANGLE DIE K-1559 -16, -17, -18, -19, -20, -21, -30, -35, -36
.075 BULB ANGLE DIE K-5009 -2, -3, -4, -5, -37L, -38R.
.040 PLAIN ANGLE DIE K-6840 -14, -15
BULB ANGLE DIE K-1559 -6, -7, -8, -9, -10, -11, -12, -13
AL ALLOY SHEET 47A10 COND A H.T. 2R-53 (COND T) -22, -23
AL ALLOY SHEET SPEC 47A10 COND T -24, -25, -26, -27, -28, -33, -34
OMIT ON PBY-4 & ALL FUTURE MODELS
OUTSTANDING LEG TO BE TRIMMED 30° ON ALL STIFFENERS
FINISH CODE
REF DRAWINGS
HULL OFFSETS 28B003
BULKHEAD ANGLES 28B036
STRINGER SPACING CHART 28B1007
VIEW D-D
SECTION F-F
SECTION G-G
SECTION E-E APPLIES TO -0 ASS'Y. ONLY
VIEW J-J APPLIES TO -55 ASS'Y. ONLY
SECTION H-H APPLIES TO -55 ASS'Y ONLY
22F312 CLIP
28B212 CLIP
AC425-D4
AN442-D5
AN442-D6
FORWARD
RIVETS BETWEEN STIFFENERS EQUALLY SPACED
ALL RIVETS AN442-D6 WITH EXCEPTION OF RIVETS IN STIFFENERS
DRILL FOR 1/8 RIVET AN442-D6 4 REQ'D
BEND ANGLE
CLIP 28B070
CLIP 28B075
CLIP 28B073
.051 SHEET
.035 WEB
KEEL LINE
TOP OF KEEL
USE EXISTING RIVET HOLES OTHERWISE USE 7/16 DIM.
JOGGLE HERE -37 & -38
SEE SECTION C-C
BELTFRAME - STA 6.6
PORTSIDE - LOOKING FORW'D
UNLESS OTHERWISE SPECIFIED
ALL RIVETS ARE AN442-D5
DRILL FOR AN442-D5 RIVETS
DRILL FOR AN442-D6 RIVETS
FINISH:-
Z-P-2 ... ON XP3Y-1 & PBY-4
Z-P-2 ... ON PBY-2 & FUTURE
ALL AL ALLOY SHEET 24ST SPEC 47A10 (COND T) ALLOY 24T EXCEPT AS NOTED. ALL AL ALLOY EXTRUSIONS SPEC 46A9 (COND. T) ALLOY 24T EXCEPT AS NOTED. HEAT TREAT ALL COND A MAT. ... RIVETS ALL ALLOY EXCEPT AS NOTED.
MODEL | NEXT ASSY | REQ.
PBY-5B | 28B5660
PBY-5B | 28B5660
PBY-5A | 28B5660
PBY-6A | 28B5660
-55 PBY-5 | 28B1000
PBY-4 | 28B1000
PBY-3 | 28B1000
PBY-2 | 28B1000
PBY-1 | 28B1000
XP3Y-1 | 28B001
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED 5-24-37 DATE
CALC. WT.
ACT. WT.
SCALE 12" = 1'-0"
[redacted]
NAVY NOTED
NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME BELTFRAME-HULL-STA.6.6
J 28B660
H 65